



[Advanced Search](#) [Preferences](#) [Language Tools](#) [Search Tips](#)  
 (watermark <and> (data format) a [Google Search](#)

The word "or" was ignored in your query – for search results including one term or another, use capitalized "OR" between words. [\[details\]](#)  
 The "AND" operator is unnecessary – we include all search terms by default. [\[details\]](#)

[Web](#) · [Images](#) · [Groups](#) · [Directory](#) · [News](#) ·

Searched the web for (watermark <and> (data format) and (region <or> area)). Results 71 - 80 of about 2,470.

### Digital Scritorium Data Dictionary

... Examples in the **data dictionary** are intended to ... device; use semicolon to separate  
 more than one **watermark**. ... contain information); if in roll **format**, give number ...  
[sunsite.berkeley.edu/Scriptorium/datadic5.html](http://sunsite.berkeley.edu/Scriptorium/datadic5.html) - 75k - [Cached](#) - [Similar pages](#)

### **Sponsored Links**

[Add watermarks to images](#)  
 Create and apply watermarks using your brand name, logo or text.  
[www.WekaSoft.com](http://www.WekaSoft.com)  
 Interest:

### [PDF] Steganography in Images

File Format: PDF/Adobe Acrobat - [View as HTML](#)  
 ... as input and outputs a stego image in JPEG **format**. ... to have the original image when trying to recover the **watermark**. ... by the previous window size and **data channel** ...  
[www.vu.union.edu/~queirolf/ESSAYS/Steganography.pdf](http://www.vu.union.edu/~queirolf/ESSAYS/Steganography.pdf) - [Similar pages](#)

[Convert File Formats Free](#)  
 Free Software. Instant Download  
 Pdf, html, txt, tif, jpg, gif, etc  
[www.omniformat.com](http://www.omniformat.com)  
 Interest:

[See your message here...](#)

### [PDF] Techniques for data hiding

File Format: PDF/Adobe Acrobat - [View as HTML](#)  
 ... image is transformed to a Graphic Inter- change **Format** ( GIF ... less **data** to be hidden, eg, a **watermark**, the more ... **Data** hiding in still images **Data** hiding in still ...  
[www.almaden.ibm.com/cs/people/dgruhl/313.pdf](http://www.almaden.ibm.com/cs/people/dgruhl/313.pdf) - [Similar pages](#)

### [PDF] power PAPERFLOW's extensive scanning capabilities operate an ...

File Format: PDF/Adobe Acrobat - [View as HTML](#)  
 ... Microsoft, OnBase, Optika, OTG, PaperClip, PSI, Summation, and **Watermark**. ... twice to ensure accuracy and **data** integrity ... allows you to predefined the **format** for the ...  
[www.mountain-scanners.com/pdfs/pflow.pdf](http://www.mountain-scanners.com/pdfs/pflow.pdf) - [Similar pages](#)

### Adept Scientific plc - The Technical Computing People

... In **PDF format** you can guarantee that nobody is going ... Obviously the **data** could be retyped but lookup tables ... pays for removal of the suppliers **watermark** from the ...  
[lists.adepthscience.co.uk/mathcad/mathcad\\_May\\_2001/thid\\_4270d4c38476001d53833f876a12cfab.html](http://lists.adepthscience.co.uk/mathcad/mathcad_May_2001/thid_4270d4c38476001d53833f876a12cfab.html) - 76k - [Cached](#) - [Similar pages](#)

### [PDF] Watermark Winter

File Format: PDF/Adobe Acrobat - [View as HTML](#)  
 ... the SFHA (see the Fall 2000/Winter 2001 **Watermark** for a ... workshops, with input from NFIP and FEMA Region IV staff ... of Coverage D form, in a pdf **format**, which may ...  
[www.fema.gov/nfip/winter02.pdf](http://www.fema.gov/nfip/winter02.pdf) - [Similar pages](#)

### A Compressed-Domain Watermarking Algorithm for Mpeg Audio Layer 3

... in [5], [6] and extends them in mp3 **format** applying a ... Our algorithm is robust against attacks in audio **data** because the **watermark** embedding takes place ...  
[www.acm.org/sigs/sigmm/MM2001/ep/koukopoulos/](http://www.acm.org/sigs/sigmm/MM2001/ep/koukopoulos/) - 29k - [Cached](#) - [Similar pages](#)

### Business 2.0 - Web Article - Making Optical Networks Smarter and ...

... **Format** for Printing. ... is developing optical network equipment that can process **data**

at speeds ... A digital **watermark** could be placed on each packet, and the entire ...  
[www.business2.com/articles/web/0,1653,12514,00.html](http://www.business2.com/articles/web/0,1653,12514,00.html) - 37k - Cached - Similar pages

[doc] **Preparation Checklist, Instructor Notes 5**

File Format: Microsoft Word 2000 - View as HTML

... . Right click>**format**> wrapping. **Watermark**□. Toolbars> Pictures> image control. ... 2:15-2:30

Whole Group: Researching **Data**: Introduce lesson by showing National ...

[edtech.kennesaw.edu/intech/docs/instructornotes/mgday45day.doc](http://edtech.kennesaw.edu/intech/docs/instructornotes/mgday45day.doc) - Similar pages

[PDF] **S:\OS5\_D\WSOM Chapters\InProgress\10-16 - Perf Meas\10-1606final ...**

File Format: PDF/Adobe Acrobat - View as HTML

... will include "draft" as a **watermark** that is ... The **format** will include: Cover Title Page

Preface Table ... scale (if appropriate) Post-Storm **Data** Acquisition Analysis ...

[www.nws.noaa.gov/directives/010/pd01016006a.pdf](http://www.nws.noaa.gov/directives/010/pd01016006a.pdf) - Similar pages

◀ Goooooooooooooogle ▶

Result Page: **Previous** 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 **Next**

[Google Home](#) - [Advertise with Us](#) - [Business Solutions](#) - [Services & Tools](#) - [Jobs, Press, & Help](#)

©2003 Google



&gt; home &gt; about &gt; feedback &gt; login

US Patent &amp; Trademark Office

## Citation

**International Multimedia Conference** >archive**Proceedings of the sixth ACM international conference on Multimedia** >toc  
1998 , Bristol, United Kingdom**Robust MPEG video watermarking technologies****Authors**

Jana Dittmann  
Mark Stabenau  
Ralf Steinmetz

**Sponsors**

SIGCOMM : ACM Special Interest Group on Data Communication  
SIGMULTIMEDIA : ACM Special Interest Group on Multimedia  
SIGGRAPH : ACM Special Interest Group on Computer Graphics and Interactive Techniques

**Publisher**

ACM Press New York, NY, USA

Pages: 71 - 80 Series-Proceeding-Article

Year of Publication: 1998

ISBN:0-201-30990-4

<http://doi.acm.org/10.1145/290747.290757> (Use this link to Bookmark this page)

&gt; full text &gt; references &gt; citings &gt; index terms &gt; peer to peer

---

[> Discuss](#)[> Similar](#)[> Review this Article](#)

Save to Binder

[> BibTex Format](#)

---

[↑ FULL TEXT:](#) [pdf 1.03 MB](#)[↑ REFERENCES](#)

Note: OCR errors may be found in this Reference List extracted from the full text article. ACM has opted to expose the complete List rather than only correct and linked references.

- 1 Benham D., Memon N., Yeo B.-L., Yeung M.: Fast Watermarking of DCT-based Compressed Images, CISST '97 International Conference

- 2 Cox, L.J., Miller, M.L.: A review of watermarking and the importance of perceptual modeling, Proc. Of Electronic Imaging'97, February 1997
- 3 Digimarc: Watermarking Technology, PicmreMarcTM 1996, <http://www.d/cqmarc/conffwtpa~e.htm>
- 4 Dittmann, J., Steinmetz, A.: Konzeption von Sicherheitsmechanismen für das Projekt DiViDEd, GMD-Studie '97
- 5 Dittmann, J., Steinmetz, A., Nack, F., Steinmetz, R.: Interactive Watermarking Environments, to appear in IEEE Multimedia 1998, Austin Texas
- 6 Fridrich, J.: Methods for data hiding, Center for Intelligent Systems & Department of Systems Science and Industrial Engineering, SUNY Binghamton, Methods for Data Hiding'; working paper (1997)
- 7 Hartung, F., Girod, B.: Copyright Protection in Video Delivery Networks by Watermarking of Pre-Compressed Video, in: S. Fidida, M. Morganti (eds.), "Multimedia [7] Applications, Services and Techniques - ECMAST '97", Springer Lecture Notes in Computer Science, Vol. 1242, pp.423-436, Springer, Heidelberg, 1997
- 8 Koch, E. and Zhao, J.: Towards Robust and Hidden Image Copyright Labelling, Proc. of 1995 IEEE Workshop on Nonlinear Signal and Image Processing (Neos Marmaras, Greece, June 20-22, 1995)
- 9 Kuttm, M.G.: Sfimmerk, available at <http://www.cl.cam.ac.uk/m~5/s~k/>, Security Group, Computer Lab, Cambridge University, UK (email: mkulm@acm.org)
- 10 Kutter, M., Jordan, F. and Bossen, F.: Digital Signature of Colour Images using Amplitude Modulation, Signal Processing Laboratory, EPFL, Switzerland, 1995
- 11 MPEG International Standard ISO/IEC 11172: Information Technology- Coding of moving pictures and associated audio for digital storage media at up to about 1,5 Mbit/s, Part1: Systems, Part2: Video, Part3: Audio, 1993

## ↑ CITINGS

Chun-Shien Lu , Hong-Yuan Mark Lai , Jean-Ru Chen , Kuo-Chin Fan, Watermarking on compressed/uncompressed video using communications with side information mechanism, Distributed multimedia databases: techniques & applications, Idea Group Publishing, Hershey, PA, 2002

## ↑ INDEX TERMS

### **Primary Classification:**

I. Computing Methodologies

↳ I.4 IMAGE PROCESSING AND COMPUTER VISION

### **Additional Classification:**

I. Computing Methodologies

↳ I.4 IMAGE PROCESSING AND COMPUTER VISION

**General Terms:**

Design, Experimentation, Legal Aspects

**Keywords:**

copyright protection, digital watermarking for MPEG video, security and the media

↑ **Peer to Peer - Readers of this Article have also read:**

- ◆ Constructing reality  
**Proceedings of the 11th annual international conference on Systems documentation**  
Douglas A. Powell , Norman R. Ball , Mansel W. Griffiths
- ◆ M<sup>4</sup>: a metamodel for data preprocessing  
**Proceedings of the fourth ACM international workshop on Data warehousing and OLAP**  
Anca Vaduva , Jörg-Uwe Kietz , Regina Zücker
- ◆ Object-oriented database management system for process control systems—development and evaluation  
**Proceedings of the 1999 ACM symposium on Applied computing**  
Ryuji Wakazono , Toshikazu Kawamura , Takehiko Tsuchiya , Takahiro Hatanaka , Tatsuji Tanaka
- ◆ Data structures for quadtree approximation and compression  
**Communications of the ACM** 28, 9  
Hanan Samet
- ◆ Toward a real-time Ada design methodology  
**Proceedings of the conference on TRI-ADA '90**  
Norman R. Howes

---

The ACM Portal is published by the Association for Computing Machinery. Copyright © 2003 ACM, Inc.



&gt; home &gt; about &gt; feedback &gt; login

US Patent &amp; Trademark Office

## Search Results

Search Results for: [(watermark\*) and ((infor\* or data) <near> format) and ((region\* or area\*) <near> image)<AND>(((watermark\*) and ((infor\* or data) <near> format)) )]

Found 48 of 109,390 searched. → Rerun within the Portal

### Search within Results

&gt; Advanced Search

&gt; Search Help/Tips

---

Sort by: Title Publication Publication Date Score Binder

---

Results 1 - 20 of 48 short listing

Prev Page 1 2 3   
 Next Page

**1** Strategic directions in electronic commerce and digital libraries: towards 99%  
 a digital agora

Nabil Adam , Yelena Yesha

**ACM Computing Surveys (CSUR)** December 1996

Volume 28 Issue 4

**2** Caption processing for MPEG video in MC-DCT compressed domain 98%  
 Jongho Nang , Ohyeong Kwon , Seungwook Hong  
**Proceedings of the eighth ACM international conference on Multimedia** October 2000

The (cinema) caption processing that adds descriptive texts on the sequence of frames is an important video manipulation function that video editor should support. This paper proposes an efficient MC-DCT compressed domain approach to insert the caption into the MPEG-compressed video stream. It basically adds the DCT blocks of the caption image to the corresponding DCT blocks of the input frames one by one in MC-DCT domain as in [5]. However, the strength of the caption image is adjusted in th ...

**3** Opportunities for watermarking standards 97%  
 Fred Mintzer , Gordon W. Braudaway , Alan E. Bell  
**Communications of the ACM** July 1998  
Volume 41 Issue 7

**4** Broadcast and on-line cultural heritage: Copyright protection and 97%

-  4 management and a web based library for digital images of the Hellenic cultural heritage

Dimitris K. Tsolis , George K. Tsolis , Emmanouil G. Karatzas , Theodore S. Papatheodorou  
**Proceedings of the 2001 conference on Virtual reality, archeology, and cultural heritage** November 2001

The main issue addressed in this paper is the design and implementation of an Advanced Digital Image Repository, which offers specialized services and a Dedicated User Interface for the protection and management of the Intellectual Property Rights of digitized material. In addition, another main research area of this contribution is the implementation of a Web Based Library, supported by advanced technologies, for the proper presentation of the digital cultural content. The work described in thi ...

**5 Computing curricula 2001**

97%

-  **Journal of Educational Resources in Computing (JERIC)** September 2001

**6 Secure distribution of watermarked images for a digital library of ancient papers**

97%

-  Christian Rauber , Joe Ó Ruanaidh , Thierry Pun  
**Proceedings of the second ACM international conference on Digital libraries** July 1997

**7 Columns: Computer graphics around the world: computer graphics in Hong Kong**

96%

-  Zhigeng Pan , Pheng-ann Heng , Rynson W. H. Lau  
**ACM SIGGRAPH Computer Graphics** February 2000  
Volume 34 Issue 1

Computer graphics has evolved to become an important discipline in both academia and industry, and an enabling technology for a broad variety of applications such as engineering (CAD, CAE and CAM), GIS, publishing and office applications. It can no longer be regarded as a confined discipline devoted solely to graphics standards or traditional techniques of 3D representations and rendering. The influence of computer graphics can be felt in almost all of today's key industrial areas, wherever comp ...

**8 Fraud detection and self embedding**

93%

-  Tse-Hua Lan , Ahmed H. Tewfik  
**Proceedings of the seventh ACM international conference on Multimedia (Part 2)** October 1999

**9 On-demand regional television over the Internet**

93%

-  Haakon Brynhi , Hilde Lovett , Erling Maartmann-Moe , Dag Solvoll , Tryggve Sørensen  
**Proceedings of the fourth ACM international conference on Multimedia** February 1997

**10 Video portals for the next century (panel session)**

93%

-  Rob Koenen , Heather Yu , Avideh Zakhor , Francis Galliano , Charles Bouman  
**Proceedings of the seventh ACM international conference on Multimedia (Part 1)** October 1999

**11 Image watermarking for owner and content authentication**

88%



Jean-Luc Dugelay , Christian Rey

**Proceedings of the eighth ACM international conference on Multimedia** October 2000

The aim of this technical demonstration is to present the ongoing performance of our R&D watermarking scheme software for copyright and image content authentication. The proposed demonstration cover a large panel of original images (in gray levels and colors), signatures and attacks. Evaluation is performed according to ratio, visibility and robustness.

## 12 SI in digital libraries

87%



Nabil R. Adam , Vijayalakshmi Atluri , Igg Adiwijaya

**Communications of the ACM** June 2000

Volume 43 Issue 6

## 13 Robust mesh watermarking

86%



Emil Praun , Hugues Hoppe , Adam Finkelstein

**Proceedings of the 26th annual conference on Computer graphics and interactive techniques** July 1999

## 14 Robust MPEG video watermarking technologies

81%



Jana Dittmann , Mark Stabenau , Ralf Steinmetz

**Proceedings of the sixth ACM international conference on Multimedia** September 1998

## 15 A secure multicast protocol with copyright protection

80%



Hao-hua Chu , Lintian Qiao , Klara Nahrstedt , Hua Wang , Ritesh Jain

**ACM SIGCOMM Computer Communication Review** April 2002

Volume 32 Issue 2

We present a simple, efficient, and secure multicast protocol with copyright protection in an open and insecure network environment. There is a wide variety of multimedia applications that can benefit from using our secure multicast protocol, e.g., the commercial pay-per-view video multicast, or highly secure military intelligence video conference. Our secure multicast protocol is designed to achieve the following goals. (1) It can run in any open network environment. It does not rely on any sec ...

## 16 Secure high data embedding rate for steganographic application

77%



Faisal Alturki , Russell Mersereau

**Proceedings of the 2000 ACM workshops on Multimedia** November 2000

Data hiding is the process of secretly embedding information inside a data source without changing its perceptual quality or its statistical properties. In this paper we present a new data hiding technique for embedding a high data rate in the transform domain. This technique is suitable for applications such as covert communication and captioning. The technique is based on increasing the number of image transform coefficients used to carry the information by decorrelating the image samples i ...

## 17 Watermarking three-dimensional polygonal models

75%



Ryutarou Ohbuchi , Hiroshi Masuda , Masaki Aono

**Proceedings of the fifth ACM international conference on Multimedia** November 1997

**18 Web accessibility: Improving the accessibility of aurally rendered HTML 71%**

Robert Filepp , James Challenger , Daniela Rosu

**Proceedings of the fifth international ACM conference on Assistive technologies**

July 2002

Current techniques employed to aurally render HTML tables often result in output that is very difficult for sight-impaired users to understand. This paper proposes TTPML, an XML-compliant markup language, which facilitates the generation of prose descriptions of tabular information. The markup language enables content creators to specify contextual reinforcement of, and linear navigation through, tabular information. The markup language may be applied to pre-existing Web content and is reusable ...

**19 Digital access to antiquities 71%**

Henry M. Gladney , Fred Mintzer , Fabio Schiattarella , Julián Bescós , Martin Treu

**Communications of the ACM April 1998**

Volume 41 Issue 4

**20 Issues in teamwork: Getting "dissed": technical communicators in 68%**

interdisciplinary engineering teams

Julie Dyke , Patricia Wojahn

**Proceedings of IEEE professional communication society international professional communication conference and Proceedings of the 18th annual ACM international conference on Computer documentation: technology & teamwork**

September 2000

In this article, we discuss what we identified as the perils and promises of matching our technical communication students with teams of engineers in a capstone, client-based engineering course. Specifically, we identify the key issues that surfaced, focusing the discussion around three themes we saw as contributing to multidisciplinary success: participation level, role definition, and connections between interim processes/products and final deliverables. We conclude by sharing a series of init ...

---

**Results 1 - 20 of 48 short listing**

Prev Page    1    2    3      
Next Page

---

The ACM Portal is published by the Association for Computing Machinery. Copyright © 2003 ACM, Inc.

[IEEE HOME](#) | [SEARCH IEEE](#) | [SHOP](#) | [WEB ACCOUNT](#) | [CONTACT IEEE](#)



[Membership](#) [Publications/Services](#) [Standards](#) [Conferences](#) [Careers/Jobs](#)



Welcome  
United States Patent and Trademark Office

[Help](#) [FAQ](#) [Terms](#) [IEEE Peer Review](#)

**Quick Links**

» Se

Welcome to IEEE Xplore®

- Home
- What Can I Access?
- Log-out

#### Tables of Contents

- Journals & Magazines
- Conference Proceedings
- Standards

#### Search

- By Author
- Basic
- Advanced

#### Member Services

- Join IEEE
- Establish IEEE Web Account
- Access the IEEE Member Digital Library

[Print Format](#)

Your search matched **3** of **939702** documents.

A maximum of **3** results are displayed, **25** to a page, sorted by **Relevance** in **descending** order.  
You may refine your search by editing the current search expression or entering a new one in the text box.  
Then click **Search Again**.

[Search Again](#)

#### Results:

Journal or Magazine = **JNL** Conference = **CNF** Standard = **STD**

### 1 **Towards a telltale watermarking technique for tamper-proofing**

*Kundur, D.; Hatzinakos, D.;*

Image Processing, 1998. ICIP 98. Proceedings. 1998 International Conference on Volume: 2 , 4-7 Oct 1998

Page(s): 409 -413 vol.2

[\[Abstract\]](#) [\[PDF Full-Text \(404 KB\)\]](#) **IEEE CNF**

### 2 **A class of authentication digital watermarks for secure multimedia communication**

*Liehua Me; Arce, G.R.;*

Image Processing, IEEE Transactions on , Volume: 10 Issue: 11 , Nov 2001

Page(s): 1754 -1764

[\[Abstract\]](#) [\[PDF Full-Text \(275 KB\)\]](#) **IEEE JNL**

### 3 **Nested linear/lattice codes for structured multiterminal binning**

*Zamir, R.; Shamai, S.; Erez, U.;*

Information Theory, IEEE Transactions on , Volume: 48 Issue: 6 , Jun 2002

Page(s): 1250 -1276

[\[Abstract\]](#) [\[PDF Full-Text \(712 KB\)\]](#) **IEEE JNL**

[Home](#) | [Log-out](#) | [Journals](#) | [Conference Proceedings](#) | [Standards](#) | [Search by Author](#) | [Basic Search](#) | [Advanced Search](#)  
[Join IEEE](#) | [Web Account](#) | [New this week](#) | [OPAC Linking Information](#) | [Your Feedback](#) | [Technical Support](#) | [Email Alerting](#)  
[No Robots Please](#) | [Release Notes](#) | [IEEE Online Publications](#) | [Help](#) | [FAQ](#) | [Terms](#) | [Back to Top](#)

Copyright © 2003 IEEE — All rights reserved



Membership Publications/Services Standards Conferences Careers/Jobs

Welcome  
United States Patent and Trademark Office

Help FAQ Terms IEEE Peer Review

## Quick Links

» Se

## Welcome to IEEE Xplore®

- Home
- What Can I Access?
- Log-out

## Tables of Contents

- Journals & Magazines
- Conference Proceedings
- Standards

## Search

- By Author
- Basic
- Advanced

## Member Services

- Join IEEE
- Establish IEEE Web Account
- Access the IEEE Member Digital Library

Print Format

Your search matched **14** of **939702** documents.

A maximum of **14** results are displayed, **25** to a page, sorted by **Relevance in descending** order.  
You may refine your search by editing the current search expression or entering a new one the text box.  
Then click **Search Again**.

**Results:**Journal or Magazine = **JNL** Conference = **CNF** Standard = **STD****1 A region and data hiding based error concealment scheme for images***Jue Wang; Liang Ji;*Consumer Electronics, IEEE Transactions on , Volume: 47 Issue: 2 , May 2001  
Page(s): 257 -262[\[Abstract\]](#) [\[PDF Full-Text \(979 KB\)\]](#) **IEEE JNL****2 Applications of toral automorphisms in image watermarking***Voyatzis, G.; Pitas, I.;*Image Processing, 1996. Proceedings., International Conference on , Volume: 1  
19 Sep 1996  
Page(s): 237 -240 vol.2[\[Abstract\]](#) [\[PDF Full-Text \(520 KB\)\]](#) **IEEE CNF****3 Proceedings of 3rd IEEE International Conference on Image Processi**Image Processing, 1996. Proceedings., International Conference on , Volume: 1  
19 Sep 1996[\[Abstract\]](#) [\[PDF Full-Text \(2268 KB\)\]](#) **IEEE CNF****4 Towards a telltale watermarking technique for tamper-proofing***Kundur, D.; Hatzinakos, D.;*Image Processing, 1998. ICIP 98. Proceedings. 1998 International Conference o  
Volume: 2 , 4-7 Oct 1998  
Page(s): 409 -413 vol.2

---

[\[Abstract\]](#) [\[PDF Full-Text \(404 KB\)\]](#) **IEEE CNF**

---

**5 A class of authentication digital watermarks for secure multimedia communication**

*Liehua Me; Arce, G.R.;*

Image Processing, IEEE Transactions on , Volume: 10 Issue: 11 , Nov 2001

Page(s): 1754 -1764

---

[\[Abstract\]](#) [\[PDF Full-Text \(275 KB\)\]](#) **IEEE JNL**

---

**6 A watermarking method based on fractal self-similarity**

*Cao Hanqiang; Zhu Guangxi;*

Signal Processing Proceedings, 2000. WCCC-ICSP 2000. 5th International Conference on , Volume: 1 , 2000

Page(s): 99 -102 vol.1

---

[\[Abstract\]](#) [\[PDF Full-Text \(212 KB\)\]](#) **IEEE CNF**

---

**7 Nested linear/lattice codes for structured multiterminal binning**

*Zamir, R.; Shamai, S.; Erez, U.;*

Information Theory, IEEE Transactions on , Volume: 48 Issue: 6 , Jun 2002

Page(s): 1250 -1276

---

[\[Abstract\]](#) [\[PDF Full-Text \(712 KB\)\]](#) **IEEE JNL**

---

**8 Data embedding in text for a copier system**

*Bhattacharjya, A.K.; Ancin, H.;*

Image Processing, 1999. ICIP 99. Proceedings. 1999 International Conference on , Volume: 2 , 1999

Page(s): 245 -249 vol.2

---

[\[Abstract\]](#) [\[PDF Full-Text \(360 KB\)\]](#) **IEEE CNF**

---

**9 Digital image watermarking in spatial and transform domains**

*Cheung, W.N.;*

TENCON 2000. Proceedings , Volume: 3 , 2000

Page(s): 374 -378 vol.3

---

[\[Abstract\]](#) [\[PDF Full-Text \(832 KB\)\]](#) **IEEE CNF**

---

**10 Image watermarking using spread spectrum technique in log-2-spat**

**domain**

*Wong, P.H.W.; Au, O.C.; Wong, J.W.C.;*  
Circuits and Systems, 2000. Proceedings. ISCAS 2000 Geneva. The 2000 IEEE International Symposium on , Volume: 1 , 2000  
Page(s): 224 -227 vol.1

[\[Abstract\]](#) [\[PDF Full-Text \(296 KB\)\]](#) **IEEE CNF**

---

**11 Study on tamper-proofing of digital media**

*Du Jiang; Huang Jingxiong; Xie Weixin;*  
Intelligent Control and Automation, 2000. Proceedings of the 3rd World Congress Volume: 4 , 2000  
Page(s): 2695 -2698 vol.4

[\[Abstract\]](#) [\[PDF Full-Text \(372 KB\)\]](#) **IEEE CNF**

---

**12 An improved tamper-detection method for digital images**

*Intaeck Kim; Seung-Soo Han; Jung Hwa Shin;*  
Industrial Electronics, 2001. Proceedings. ISIE 2001. IEEE International Symposium , Volume: 1 , 2001  
Page(s): 227 -231 vol.1

[\[Abstract\]](#) [\[PDF Full-Text \(436 KB\)\]](#) **IEEE CNF**

---

**13 Image authentication by exact histogram specification**

*Coltuc, D.; Chassery, J.-M.; Bolon, Ph.;*  
Multimedia Signal Processing, 2001 IEEE Fourth Workshop on , 2001  
Page(s): 499 -504

[\[Abstract\]](#) [\[PDF Full-Text \(585 KB\)\]](#) **IEEE CNF**

---

**14 Information-theoretic analysis of information hiding**

*Moulin, P.; O'Sullivan, J.A.;*  
Information Theory, IEEE Transactions on , Volume: 49 Issue: 3 , Mar 2003  
Page(s): 563 -593

[\[Abstract\]](#) [\[PDF Full-Text \(2417 KB\)\]](#) **IEEE JNL**

---

Copyright © 2003 IEEE — All rights reserved

## Welcome to IEEE Xplore®

- Home
- What Can I Access?
- Log-out

## Tables of Contents

- Journals & Magazines
- Conference Proceedings
- Standards

## Search

- By Author
- Basic
- Advanced

## Member Services

- Join IEEE
- Establish IEEE Web Account
- Access the IEEE Member Digital Library

 Print FormatYour search matched **20** of **939702** documents.

A maximum of **20** results are displayed, **25** to a page, sorted by **Relevance** in **descending** order.  
You may refine your search by editing the current search expression or entering a new one the text box.  
Then click **Search Again**.

(watermark\*) and format\*

## Results:

Journal or Magazine = **JNL** Conference = **CNF** Standard = **STD****1 Semi-fragile watermarking system for MPEG video authentication***Peng Yin; Yu, H.H.;*

Acoustics, Speech, and Signal Processing, 2002. Proceedings. (ICASSP '02). IEE International Conference on , Volume: 4 , 2002

Page(s): IV-3461 -IV-3464 vol.4

[\[Abstract\]](#) [\[PDF Full-Text \(508 KB\)\]](#) **IEEE CNF****2 2001 IEEE International Conference on Acoustics, Speech, and Signal Processing. Proceedings (Cat. No.01CH37221)***Wee, S.J.; Apostolopoulos, J.G.;*

Acoustics, Speech, and Signal Processing, 2001. Proceedings. (ICASSP '01). 200 IEEE International Conference on , Volume: 4 , 2001

Page(s): 2049 -2052

 Print Format[\[Abstract\]](#) [\[PDF Full-Text \(404 KB\)\]](#) **IEEE CNF****3 Security issues in high quality audio streaming***Horvatic, P.; Schiffner, N.;*

Web Delivering of Music, 2002. WEDELMUSIC 2002. Proceedings. Second Intern Conference on , 2002

Page(s): 224

[\[Abstract\]](#) [\[PDF Full-Text \(193 KB\)\]](#) **IEEE CNF****4 Lossless authentication of MPEG-2 video***Rui Du; Fridrich, J.;*

Image Processing. 2002. Proceedings. 2002 International Conference on , Volu

2002  
Page(s): II-893 -II-896 vol.2

[\[Abstract\]](#) [\[PDF Full-Text \(559 KB\)\]](#) **IEEE CNF**

---

**5 Image watermarking-a spread spectrum application**

*Tirkel, A.Z.; Osborne, C.F.; Van Schyndel, R.G.;*  
Spread Spectrum Techniques and Applications Proceedings, 1996., IEEE 4th  
International Symposium on , Volume: 2 , 22-25 Sep 1996  
Page(s): 785 -789 vol.2

[\[Abstract\]](#) [\[PDF Full-Text \(816 KB\)\]](#) **IEEE CNF**

---

**6 Progressive browsing of 3D models**

*Bengliang Koh; Tsuhan Chen;*  
Multimedia Signal Processing, 1999 IEEE 3rd Workshop on , 1999  
Page(s): 71 -76

[\[Abstract\]](#) [\[PDF Full-Text \(386 KB\)\]](#) **IEEE CNF**

---

**7 Security methods for MP3 music delivery**

*Thorwirth, N.J.; Horvatic, P.; Weis, R.; Jian Zhao;*  
Signals, Systems and Computers, 2000. Conference Record of the Thirty-Fourth  
Asilomar Conference on , Volume: 2 , 2000  
Page(s): 1831 -1835 vol.2

[\[Abstract\]](#) [\[PDF Full-Text \(368 KB\)\]](#) **IEEE CNF**

---

**8 Fast video transcoding architectures for networked multimedia applications**

*Jeongnam Youn; Jun Xin; Ming-Ting Sun;*  
Circuits and Systems, 2000. Proceedings. ISCAS 2000 Geneva. The 2000 IEEE  
International Symposium on , Volume: 4 , 2000  
Page(s): 25 -28 vol.4

[\[Abstract\]](#) [\[PDF Full-Text \(316 KB\)\]](#) **IEEE CNF**

---

**9 A DWT-based object watermarking system for MPEG-4 video streams**

*Piva, A.; Caldelli, R.; De Rosa, A.;*  
Image Processing, 2000. Proceedings. 2000 International Conference on , Volu  
2000

Page(s): 5 -8 vol.3

[\[Abstract\]](#) [\[PDF Full-Text \(380 KB\)\]](#) **IEEE CNF**

---

**10 Digital watermarking using inter-block correlation: extension to JPEG coded domain**

*Choi, Y.; Aizawa, K.;*

Information Technology: Coding and Computing, 2000. Proceedings. International Conference on , 2000

Page(s): 133 -138

[\[Abstract\]](#) [\[PDF Full-Text \(328 KB\)\]](#) **IEEE CNF**

---

**11 Data hiding in MPEG-2 bit stream domain**

*Caccia, G.; Lancini, R.;*

EUROCON'2001, Trends in Communications, International Conference on. , Volu 2 , 2001

Page(s): 363 -364 vol.2

[\[Abstract\]](#) [\[PDF Full-Text \(116 KB\)\]](#) **IEEE CNF**

---

**12 Secure fragile digital watermarking technique for image authentication**

*Alturki, F.; Mersereau, R.;*

Image Processing, 2001. Proceedings. 2001 International Conference on , Volu 2001

Page(s): 1031 -1034 vol.3

[\[Abstract\]](#) [\[PDF Full-Text \(408 KB\)\]](#) **IEEE CNF**

---

**13 Invertible authentication watermark for JPEG images**

*Fridrich, J.; Goljan, M.; Rui Du;*

Information Technology: Coding and Computing, 2001. Proceedings. Internation Conference on , Apr 2001

Page(s): 223 -227

[\[Abstract\]](#) [\[PDF Full-Text \(452 KB\)\]](#) **IEEE CNF**

---

**14 A print and scan optimized watermarking scheme**

*Lefebvre, F.; Gueluy, A.; Delannay, D.; Macq, B.;*

Multimedia Signal Processing, 2001 IEEE Fourth Workshop on , 2001

Page(s): 511 -516

---

[Abstract] [PDF Full-Text (420 KB)] **IEEE CNF**

---

**15 A watermarking scheme for digital cinema**

*Haitsma, J.; Kalker, T.;*

Image Processing, 2001. Proceedings. 2001 International Conference on , Volu  
7-10 Oct 2001

Page(s): 487 -489 vol.2

---

[Abstract] [PDF Full-Text (264 KB)] **IEEE CNF**

---

**16 Watermark embedded DCT indexing keys for portable imaging devic**

*Armstrong, A.; Jiang, J.;*

Consumer Electronics, 2002. ICCE. 2002 Digest of Technical Papers. Internation  
Conference on , 2002

Page(s): 126 -127

---

[Abstract] [PDF Full-Text (328 KB)] **IEEE CNF**

---

**17 Fast and robust watermarking of JPEG files**

*Wenbin Luo; Heileman, G.L.; Pizano, C.E.;*

Image Analysis and Interpretation, 2002. Proceedings. Fifth IEEE Southwest  
Symposium on , 2002

Page(s): 158 -162

---

[Abstract] [PDF Full-Text (492 KB)] **IEEE CNF**

---

**18 Spread-spectrum watermarking of audio signals**

*Kirovski, D.; Malvar, H.S.;*

Signal Processing, IEEE Transactions on , Volume: 51 Issue: 4 , Apr 2003

Page(s): 1020 -1033

---

[Abstract] [PDF Full-Text (1399 KB)] **IEEE JNL**

---

**19 Performance comparison of two text marking methods**

*Low, S.H.; Maxemchuk, N.F.;*

Selected Areas in Communications, IEEE Journal on , Volume: 16 Issue: 4 , Ma

Page(s): 561 -572

---

[\[Abstract\]](#)   [\[PDF Full-Text \(372 KB\)\]](#) **IEEE JNL**

---

**20 Digital watermarking: from concepts to real-time video applications**

*Busch, C.; Funk, W.; Wolthusen, S.;*

Computer Graphics and Applications, IEEE , Volume: 19 Issue: 1 , Jan/Feb 199

Page(s): 25 -35

---

[\[Abstract\]](#)   [\[PDF Full-Text \(276 KB\)\]](#) **IEEE JNL**

---

[Home](#) | [Log-out](#) | [Journals](#) | [Conference Proceedings](#) | [Standards](#) | [Search by Author](#) | [Basic Search](#) | [Advanced Search](#)  
[Join IEEE](#) | [Web Account](#) | [New this week](#) | [OPAC Linking Information](#) | [Your Feedback](#) | [Technical Support](#) | [Email Alerting](#)  
[No Robots Please](#) | [Release Notes](#) | [IEEE Online Publications](#) | [Help](#) | [FAQ](#) | [Terms](#) | [Back to Top](#)

Copyright © 2003 IEEE — All rights reserved